"CYCLE-MATIC"

V-4

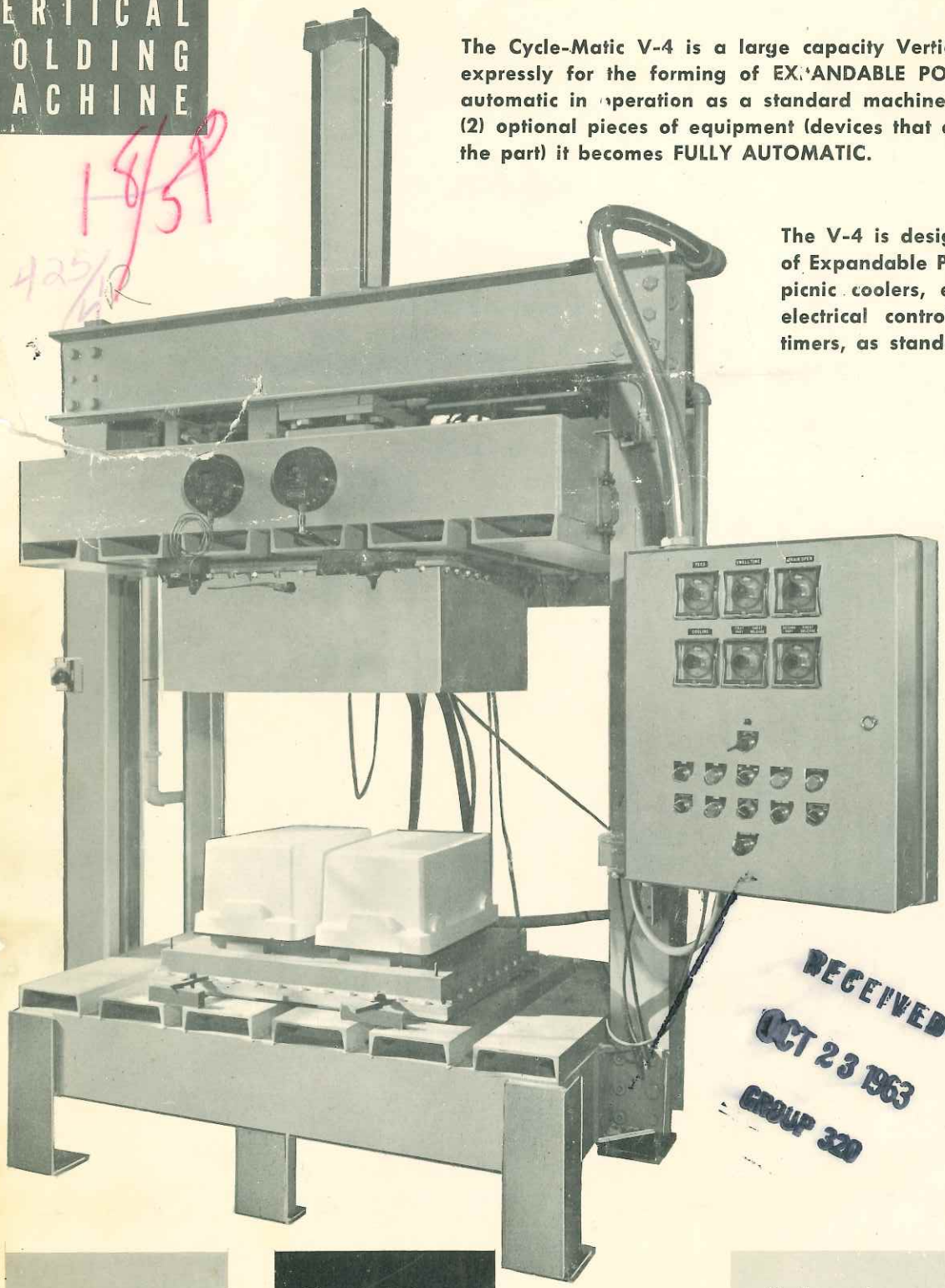
VERTICAL MOLDING MACHINE

FOR PRODUCTION MOLDING OF

EXPANDABLE POLYSTYRENE

The Cycle-Matic V-4 is a large capacity Vertical molding machine designed expressly for the forming of EXPANDABLE POLYSTYRENE. This unit is semi-automatic in operation as a standard machine, but with the addition of two (2) optional pieces of equipment (devices that automatically eject and remove the part) it becomes FULLY AUTOMATIC.

The V-4 is designed for producing large items of Expandable Polystyrene such as surf boards, picnic coolers, etc., and is complete with all electrical controls for air, steam, water and timers, as standard equipment.



Precision control of mold gap during feed cycle

Timer controlled pre-heat supply

Steam pressure regulation for upper and lower mold chest to assure proper fusion of part

Safety latch to prevent accidental closing of machine

Electrical timers, pressure and temperature switches assure efficient operation at all times

Various phases of molding cycle overlap to reduce cycle time

Pneumatically operated drains for upper and lower mold chest also serve as safety valves

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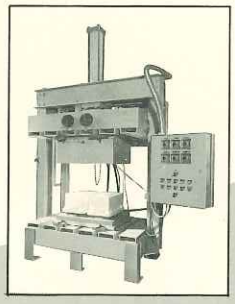

STANDARD EQUIPMENT:

Vernier adjustable limit switch — for varying gap during mold filling.

Adjustable feed timers

Adjustable timer for pre-steam

Adjustable steam pressure controls

Adjustable dwell timer

Adjustable cooling timer

Adjustable drain delay timer

Selective chest pressurization for assisting part release

Safety button control for operator's protection

Complete control panel at eye level

Large capacity drain reservoirs

Conveniently located valves and air pressure regulators with gages

SPECIFICATIONS:

Platen size	42" x 68"
Maximum mold size	42" x 68"
Minimum daylight	12" standard
Maximum daylight	36" standard
Cylinder stroke	24" standard
	Available in other length strokes
Mold Heating	Steam
Mold cooling	Water spray
Floor space required:	
	110" width — 81" depth — 111" height
Shipping weight	
	(no molds) approximately 5800 lbs.

OPTIONAL EQUIPMENT:

Hydraulic motivating and clamping units. Automatic part ejection device. Automatic part removal device. Dual controls. Bead supply hoppers.

SPRINGFIELD CAST PRODUCTS INC.
124 SWITZER AVENUE
SPRINGFIELD 9, MASSACHUSETTS

Molds for

EXPANDABLE POLYSTYRENE

ALUMINUM — BRONZE

Expandable Polystyrene has proven to be economical, practical, and exceptionally light as shipping containers for delicate or fragile products, as well as giving unequalled protection in shipping expensive instruments, cameras, light meters, radios, typewriters microscopes, etc.

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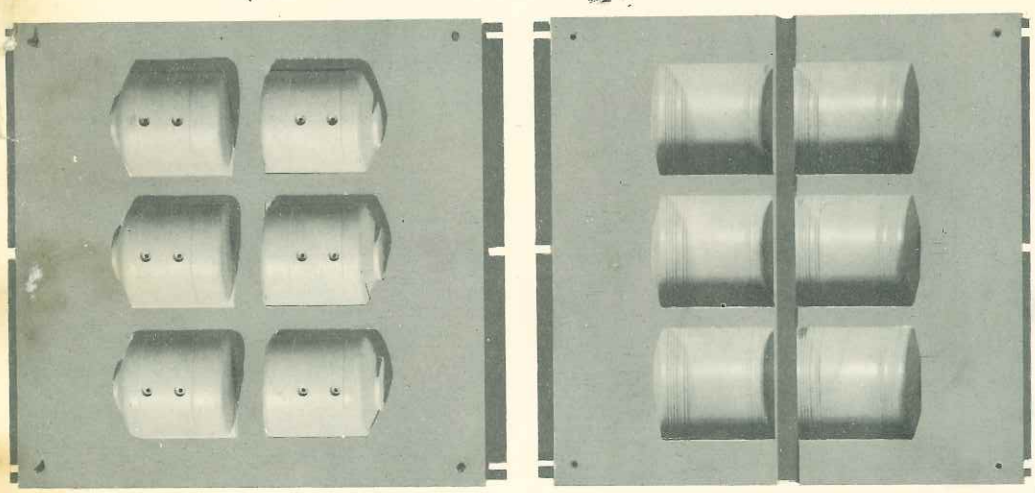

The mold face in this photo forms a thermal insulation for the outside of 1 gallon containers. Mold faces such as this offer real economy, long life, and enables quick mold change for the production of different items when used in a SPRINGFIELD "CYCLE-MATIC" AUTOMATIC HORIZONTAL MOLDING MACHINE. Such molds as this have slide runner feed and are designed for mechanical ejection of part.

When using mold faces there is no need to incorporate cooling into the faces as both steam and cooling chests are an integral part of the "CYCLE-MATIC" machines. Only the mold face is needed with these molding machines to produce Expandable Polystyrene parts.

SPRINGFIELD CAST PRODUCTS INC.
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GROUP 320

Molds for

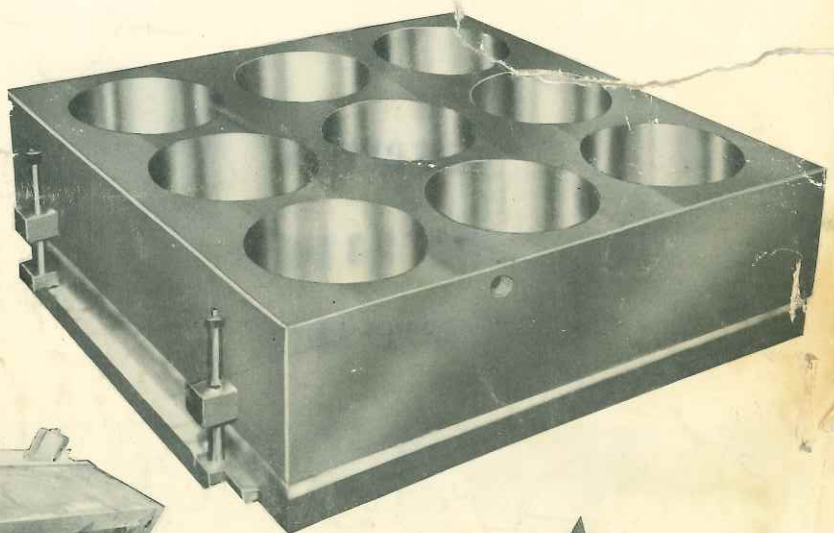
EXPANDABLE POLYSTYRENE

ALUMINUM — BRONZE

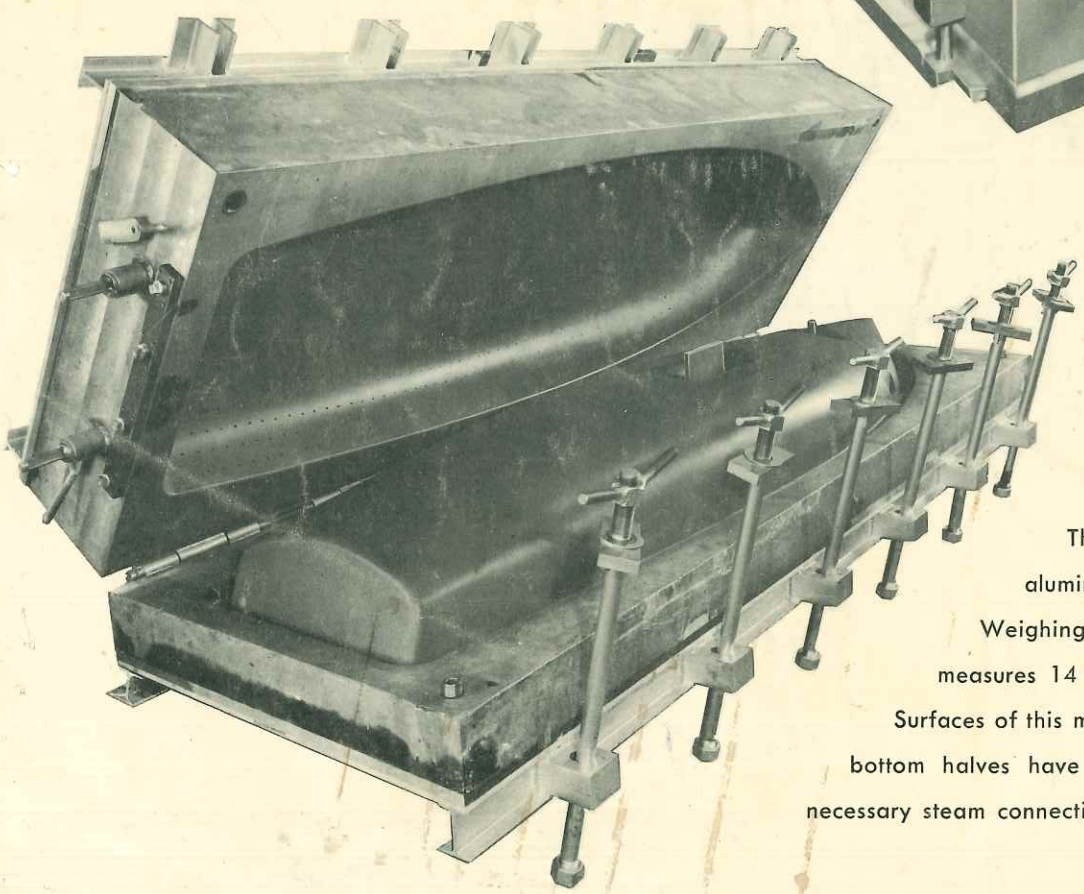
SPRINGFIELD has grown up with the very versatile material Expandable Polystyrene. From early experiences in molding this material, SPRINGFIELD has learned its many ramifications and exceptionally flexible use in forming economical packaging, containers, ice buckets, insulation, and many other items to which Expandable Polystyrene is so readily adapted.

Molds, as illustrated here, may be made from aluminum or bronze and can be produced with either single or multiple cavities cast as one unit. Intricate designs are produced with little or no tooling necessary and such molds can be designed for use in manually operated, semi-automatic, or fully automatic molding machines. All molds are Teflon coated for easy part release.

SPRINGFIELD MOLDS are particularly suited to molding this material due to their fast heating and cooling characteristics which result in operating cycle speed-up. In addition SPRINGFIELD has facilities for testing molds under actual production conditions in their own plant before shipping to customer — if such tests are desired.



Many useful domestic items such as this ice bucket are produced automatically on our "CYCLE-MATIC AUTOMATIC MOLDING MACHINE" — Write for details on these machines.



The photo shows a self-contained, hinged aluminum boat mold which is rather unusual. Weighing approximately 5000 lbs., this mold measures 14 ft. long x 4 ft. wide x 31 inches deep. Surfaces of this mold have steam holes, and both top and bottom halves have built-in spray cooling, drains and all necessary steam connections.